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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/728,319
Filing Date	December 4, 2003
First Named Inventor	Peter J. Hopper et al.
Group Art Unit	2818
Examiner Name	Nhu, David
Attorney Docket Number	100-23800 (P05751)

Total Number of Pages in This Submission

8

**ENCLOSURES (check all that apply)**

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☒ Amendment/Response
  - ☐ After Final (Response)
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement and Form PTO-1449
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) \_\_\_\_\_

- ☐ After Allowance Communication to Group
- ☐ Appeal Brief
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Inquiry

- ☒ Other Enclosure(s) (please identify below):

**Return Receipt Postcard  
Certificate of Mailing**

Remarks

**Please charge any necessary fees or credit overpayment to Deposit Account No. 502305. A duplicate copy of this transmittal is attached for this purpose.****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Mark C. Pickering, Reg. No. 36,239
Signature	
Date	May 13, 2005

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: M/S Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: May 13, 2005

Typed or printed name	Robin L. King		
Signature		Date	May 13, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

10/728,319



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Peter J. Hopper, et al.

Appln. No.: 10/728,319

Filed: December 4, 2003

For: METHOD OF FORMING THROUGH-  
THE-WAFER METAL INTERCONNECT  
STRUCTURES

Group Art Unit: 2818

Examiner: David Nhu

RESPONSE TO OFFICE ACTION DATED  
FEBRUARY 23, 2005

INTRODUCTORY COMMENTS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Official Action mailed February 23, 2005, please consider the following:

**Listing of the Claims** which begins on page 2 of this paper; and

**Remarks** which begin on page 5 of this paper.

**CERTIFICATE OF MAILING**

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Dated: May 13, 2005 By: Robert L. Keag

RESPONSE TO OFFICE  
ACTION DATED FEBRUARY 23, 2005

Atty. Docket No. 100-23800  
(P05751)